

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/675,828A  
Source: 1FW/6  
Date Processed by STIC: 6/9/05

# ***ENTERED***

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/675,828ADATE: 06/10/2005  
TIME: 10:56:33

INPUT SET: S30668.raw

<p>This Raw Listing contains the General Information Section and up to the first 5 pages.</p>
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## SEQUENCE LISTING

- (1) General Information:
- (i) APPLICANT: Thomas J. Cummins, Susan M. Atwood  
Lynn Bergmeyer, John B. Findlay  
John W.H. Sutherland, JoAnne H. Kerschner
- (ii) TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,  
METHODS AND TEST KITS FOR  
AMPLIFICATION AND DETECTION OF TWO  
OR MORE TARGET DNA'S USING PRIMERS  
HAVING MATCHED MELTING TEMPERATURES
- (iii) NUMBER OF SEQUENCES: 65
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE: Eastman Kodak Company, Patent Legal Staff  
(B) STREET: 343 State Street  
(C) CITY: Rochester  
(D) STATE: New York  
(E) COUNTRY: U.S.A.  
(F) ZIP: 14650 - 2201
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)  
(B) COMPUTER: IBM PS/2  
(C) OPERATING SYSTEM: MS-DOS Version 3.3  
(D) SOFTWARE: PC-8 (Word for Windows)
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER: 09/675,828  
(B) FILING DATE: 29-SEP-2000  
(C) CLASSIFICATION: 435
- (vii) PRIOR APPLICATION DATA:
- (A) APPLICATION NUMBER: US/08/062,023  
(B) FILING DATE: 14-MAY-1993
- (viii) ATTORNEY/AGENT INFORMATION:
- (A) NAME: Tucker, J. Lanny  
(B) REGISTRATION NUMBER: 27,678  
(C) REFERENCE/DOCKET NUMBER: 67271A
- (ix) TELECOMMUNICATION INFORMATION:
- (A) TELEPHONE: (716) 722-9332  
(B) TELEFAX: (716) 477-4646
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 28 nucleotides  
(B) TYPE: Nucleic acid

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47 (C) STRANDEDNESS: Single  
48 (D) TOPOLOGY: Linear  
49 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
50 (iii) HYPOTHETICAL: No  
51 (iv) ANTI-SENSE: No  
52 (vi) ORIGINAL SOURCE: Synthetically prepared  
53 (vii) IMMEDIATE SOURCE: Same  
54 (x) PUBLICATION INFORMATION: Unknown  
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
56

57 AGTGGGGGGA CATCAAGCAG CCATGCAA 28  
58  
59  
60

61 (2) INFORMATION FOR SEQ ID NO:2:  
62 (i) SEQUENCE CHARACTERISTICS:  
63 (A) LENGTH: 28 nucleotides  
64 (B) TYPE: Nucleic acid  
65 (C) STRANDEDNESS: Single  
66 (D) TOPOLOGY: Linear  
67 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
68 (iii) HYPOTHETICAL: No  
69 (iv) ANTI-SENSE: No  
70 (vi) ORIGINAL SOURCE: Synthetically prepared  
71 (vii) IMMEDIATE SOURCE: Same  
72 (x) PUBLICATION INFORMATION: None  
73 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
74

75 TTCCTGCTAT GTCACCTCCC CTTGGTTC 28  
76

77 (2) INFORMATION FOR SEQ ID NO:3:  
78 (i) SEQUENCE CHARACTERISTICS:  
79 (A) LENGTH: 28 nucleotides  
80 (B) TYPE: Nucleic acid  
81 (C) STRANDEDNESS: Single  
82 (D) TOPOLOGY: Linear  
83 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
84 (iii) HYPOTHETICAL: No  
85 (iv) ANTI-SENSE: No  
86 (vi) ORIGINAL SOURCE: Synthetically prepared  
87 (vii) IMMEDIATE SOURCE: Same  
88 (x) PUBLICATION INFORMATION: None  
89 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
90

91 TAGCACCCAC CAGGGCAAAG AGAAGAGT 28  
92  
93  
94

95 (2) INFORMATION FOR SEQ ID NO:4:  
96 (i) SEQUENCE CHARACTERISTICS:  
97 (A) LENGTH: 28 nucleotides  
98 (B) TYPE: Nucleic acid  
99 (C) STRANDEDNESS: Single

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100 (D) TOPOLOGY: Linear  
101 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
102 (iii) HYPOTHETICAL: No  
103 (iv) ANTI-SENSE: No  
104 (vi) ORIGINAL SOURCE: Synthetically prepared  
105 (vii) IMMEDIATE SOURCE: Same  
106 (x) PUBLICATION INFORMATION: None  
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

108  
109 AGATGCTGTT GCGCCTCAAT AGCCCTCA 28  
110

111 (2) INFORMATION FOR SEQ ID NO:5:  
112 (i) SEQUENCE CHARACTERISTICS:  
113 (A) LENGTH: 26 nucleotides  
114 (B) TYPE: Nucleic acid  
115 (C) STRANDEDNESS: Single  
116 (D) TOPOLOGY: Linear  
117 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
118 (iii) HYPOTHETICAL: No  
119 (iv) ANTI-SENSE: No  
120 (vi) ORIGINAL SOURCE: Synthetically prepared  
121 (vii) IMMEDIATE SOURCE: Same  
122 (x) PUBLICATION INFORMATION: None  
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

124  
125 CTTGGTTCTC TCATCTGGCC TGGTGC 26  
126

127  
128  
129 (2) INFORMATION FOR SEQ ID NO:6:  
130 (i) SEQUENCE CHARACTERISTICS:  
131 (A) LENGTH: 28 nucleotides  
132 (B) TYPE: Nucleic acid  
133 (C) STRANDEDNESS: Single  
134 (D) TOPOLOGY: Linear  
135 (ii) MOLECULE TYPE: Probe for HIV-I DNA  
136 (iii) HYPOTHETICAL: No  
137 (iv) ANTI-SENSE: No  
138 (vi) ORIGINAL SOURCE: Synthetically prepared  
139 (vii) IMMEDIATE SOURCE: Same  
140 (x) PUBLICATION INFORMATION: None  
141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

142  
143 GAGACCATCA ATGAGGAAGC TGCAGAAT 28  
144

145 (2) INFORMATION FOR SEQ ID NO:7:  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 28 nucleotides  
148 (B) TYPE: Nucleic acid  
149 (C) STRANDEDNESS: Single  
150 (D) TOPOLOGY: Linear  
151 (ii) MOLECULE TYPE: Probe for HIV-I DNA  
152 (iii) HYPOTHETICAL: No

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153 (iv) ANTI-SENSE: No  
154 (vi) ORIGINAL SOURCE: Synthetically prepared  
155 (vii) IMMEDIATE SOURCE: Same  
156 (x) PUBLICATION INFORMATION: None  
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
158

159 GTGCAGCAGC AGAACAATTT GCTGAGGG 28  
160  
161  
162

## (2) INFORMATION FOR SEQ ID NO:8:

## (i) SEQUENCE CHARACTERISTICS:

- 165 (A) LENGTH: 30 nucleotides  
166 (B) TYPE: Nucleic acid  
167 (C) STRANDEDNESS: Single  
168 (D) TOPOLOGY: Linear

169 (ii) MOLECULE TYPE: Nonsense probe

170 (iii) HYPOTHETICAL: No

171 (iv) ANTI-SENSE: No

172 (vi) ORIGINAL SOURCE: Synthetically prepared

173 (vii) IMMEDIATE SOURCE: Same

174 (x) PUBLICATION INFORMATION: Unknown

175 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
176

177 GGTGTCACCC CCAGAGTCCC CTGTACCCGC 30  
178

## (2) INFORMATION FOR SEQ ID NO:9:

## (i) SEQUENCE CHARACTERISTICS:

- 181 (A) LENGTH: 41 nucleotides  
182 (B) TYPE: Nucleic acid  
183 (C) STRANDEDNESS: Single  
184 (D) TOPOLOGY: Linear

185 (ii) MOLECULE TYPE: Oligonucleotide from HIV-I DNA

186 (iii) HYPOTHETICAL: No

187 (iv) ANTI-SENSE: No

188 (vi) ORIGINAL SOURCE: Synthetically prepared

189 (vii) IMMEDIATE SOURCE: Same

190 (x) PUBLICATION INFORMATION: Unknown

191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
192

193 ATCCTGGGAT TAAATAAAAT AGTAAGAATG TATAGCCCTA C 41  
194  
195

## (2) INFORMATION FOR SEQ ID NO:10:

## (i) SEQUENCE CHARACTERISTICS:

- 198 (A) LENGTH: 25 nucleotides  
199 (B) TYPE: Nucleic acid  
200 (C) STRANDEDNESS: Single  
201 (D) TOPOLOGY: Linear

202 (ii) MOLECULE TYPE: Primer for hCMV DNA

203 (iii) HYPOTHETICAL: No

204 (iv) ANTI-SENSE: No

205 (vi) ORIGINAL SOURCE: Synthetically prepared

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206 (vii) IMMEDIATE SOURCE: Same  
207 (x) PUBLICATION INFORMATION: None  
208 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
209  
210 TGCACGTGCCA GGTGCTTCGG CTCAT 25  
211  
212 (2) INFORMATION FOR SEQ ID NO:11:  
213 (i) SEQUENCE CHARACTERISTICS:  
214 (A) LENGTH: 25 nucleotides  
215 (B) TYPE: Nucleic acid  
216 (C) STRANDEDNESS: Single  
217 (D) TOPOLOGY: Linear  
218 (ii) MOLECULE TYPE: Primer for hCMV DNA  
219 (iii) HYPOTHETICAL: No  
220 (iv) ANTI-SENSE: No  
221 (vi) ORIGINAL SOURCE: Synthetically prepared  
222 (vii) IMMEDIATE SOURCE: Same  
223 (x) PUBLICATION INFORMATION: U.S. 5,147,777  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
225  
226 CACCACGCAG CGGCCCTTGA TGTTT 25  
227  
228  
229  
230 (2) INFORMATION FOR SEQ ID NO:12:  
231 (i) SEQUENCE CHARACTERISTICS:  
232 (A) LENGTH: 30 nucleotides  
233 (B) TYPE: Nucleic acid  
234 (C) STRANDEDNESS: Single  
235 (D) TOPOLOGY: Linear  
236 (ii) MOLECULE TYPE: Probe for hCMV DNA  
237 (iii) HYPOTHETICAL: No  
238 (iv) ANTI-SENSE: No  
239 (vi) ORIGINAL SOURCE: Synthetically prepared  
240 (vii) IMMEDIATE SOURCE: Same  
241 (x) PUBLICATION INFORMATION: U.S. 5,147,777  
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
243  
244 GAACCGAGGG CCGGCTCACC TCTATGTTGG 30  
245  
246 (2) INFORMATION FOR SEQ ID NO:13:  
247 (i) SEQUENCE CHARACTERISTICS:  
248 (A) LENGTH: 30 nucleotides  
249 (B) TYPE: Nucleic acid  
250 (C) STRANDEDNESS: Single  
251 (D) TOPOLOGY: Linear  
252 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
253 (iii) HYPOTHETICAL: No  
254 (iv) ANTI-SENSE: No  
255 (vi) ORIGINAL SOURCE: Synthetically prepared  
256 (vii) IMMEDIATE SOURCE: Same  
257 (x) PUBLICATION INFORMATION: None  
258 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13: